







Db	279	FYFCCLPLATIAFLYLTMCERLKKSGM-----QIALNDHLKORREVAKTVFCL--V	157940
Qy	290	VTLAVQWMPPNQIRRTM-AAAKPKHDWTRSYFRAYMILLPSETTE--YLSSVNPILYTVS	328 somatostatin receptor 5 - rat
Db	329	LVEALCWLPILHSLRILKLTLYDQHDPRCFLSFLVLDYGINMASLNSCINPIALYLV	347 N:Alternate names: somatotropin release-inhibiting factor subtype 28 receptor
Qy	348	SQQFRRYFVQVLCC 361	C:Species: Rattus norvegicus (Norway rat)
Db	389	SKREKNCFKSCUCC 402	C:Accession: 02-Aug-1996 #sequence revision 02-Aug-1996 #text_change 24-Nov-1999
RESULT	7		C:Date: 02-Aug-1996 #sequence revision 02-Aug-1996 #text_change 24-Nov-1999
A38271		serotonin receptor 7 - fruit fly ( <i>Drosophila melanogaster</i> )	C:Accession: 157940; 157949; S39244
N;Alternate names: 5-hydroxytryptamine receptor 7 (5-HT7)			R.O'Carroll, A.M.; Lohait, S.J.; Konig, M.; Mahan, L.C.
C;Species: <i>Drosophila melanogaster</i>			R.O'Carroll, A.M.; Lohait, S.J.; Konig, M.; Mahan, L.C.
C;Date: 22-Jan-1993 #sequence revision 22-Jan-1993 #text_change 04-Sep-1998			Ref.: Natl. Acad. Sci. U.S.A. 87, 8840-8844, 1990
C;Accession: A38271			A;Title: Cloning and characterization of a <i>Drosophila</i> serotonin receptor that activates
Ri: ; Amaliky, N.; Plassat, J. L.; Maroteaux, L.; Borrelli, E.; Hen, R.			A;Reference number: A38271; MUID:91062395
Pro: ; Natl. Acad. Sci. U.S.A. 87, 8840-8844, 1990			A;Accession: A38271
A;Title: Cloning and characterization of a <i>Drosophila</i> serotonin receptor that activates			A;Molecule type: mRNA
A;Reference number: A38271; MUID:91062395			A;Residues: 1-564 <SWIT>
A;Accession: A38271			A;Cross-references: FlyBase:FBgn0004573
A;Molecule type: mRNA			A;Note: the authors translated the codon CTT for residue 213 as Ala, GTC for residue 215
A;Residues: 1-564 <SWIT>			C;Genetics:
A;Cross-references: FlyBase:FBgn0004573			A;Gene: FlyBase:5-HT7
A;Cross-references: EMBL:363 <PEN>			A;Molecule type: mRNA
C;Keywords: octopamine receptor type I			A;Residues: 1-564 <PEN>
C;Keywords: G protein-coupled receptor; glycoprotein; membrane protein; phosphoprotein			A;Cross-references: EMBL:363 <PEN>
Query Match	11.1%	Score 259.5; DB 2; Length 564;	A;Cross-references: EMBL:X74828; NID:9433911; PID:9433912
Best Local Similarity	21.1%	Pred. No. 9e-15; Gaps 14;	A;Cross-references: EMBL:CAA52825.1; PID:9455948
Matches	92;	Conservative 76; Mismatches 145; Indels 123; Gaps 14;	A;Cross-references: EMBL:S39244
Qy	6	LPGSDSQIIDIHSVHPPFEVATWIKTILVLLVIFMGLLGNSATIRTVQVLQKKGYLQ 65	A;Molecule type: mRNA
Db	138	VPLSDPPLLEEEFAAGEFVFLRLLTFSVSTVLLVIGTIVGNVLYCIAVCMVK--LR 194	A;Status: preliminary; translated from GB/EMBL/DDJB
Qy	66	KEVTDHVSLACSDILVFLIGKPMF-FYSSII--WN--PLTASSYTLSCKLHFLFEACSY 120	A;Title: Molecular cloning and expression of a pituitary somatostatin receptor with p
Db	195	RPCNVLILVSLALSDLCLVALLVMPMALLYEVKRNFGPL-----CDIWSFDVLCCT 247	A;Reference number: 157949
Qy	121	ATLHVITLSPERIVATCFFKVKAVSGPCQVKKLGFYWVTSALVALPPLFAMGTEYPL 180	A;Status: preliminary; translated from GB/EMBL/DDJB
Db	248	ASILNICAISVDRYLAITKPLPELYGVKTRPRMLCVWLAACISLPLPILITLGNE-- 304	A;Title: Correction of the nucleotide and amino acid sequence of the rat somato
Qy	181	VNVPSHGRGLTCNRSSTRHQPETSNNSCTLNLSRRTVFOSSIFGAVVYLVNLSVA 240	A;Reference number: S39244
Db	305	-----HEDEEQCPICTVQNEA--YQIY--ATLGSFYIPLSVMLEVY 343	A;Cross-references: EMBL:CAA52825.1; PID:9433912
Qy	241	MCWNMMQYLMKSQK-----GSLAGTTPRQLRKSESESRTRAROTI-- 283	A;Cross-references: EMBL:S39244
Db	344	QIFRAARRIVLVEEKAQTHQOALNGTGPSAQPAPP-LGHTELAASSGGNGQRHSSVNTS 402	A;Cross-references: EMBL:X74828; NID:9433911; PID:9433912
Qy	284	-----FLRLIWT 291	A;Cross-references: EMBL:CAA52825.1; PID:9433912
Db	403	LTYSTCGLSSGGALAGHGGGGVSGSTGLGSPPHKKLRFOLAKEKKASTLGLIMSA 462	A;Cross-references: EMBL:CAA52825.1; PID:9433912
Qy	292	LAVCWMNQIRRIMAAAKPKHDWTRSYFRAYMILLPSETTE--YLSSVNPILYTVS 348	A;Cross-references: EMBL:CAA52825.1; PID:9433912
Db	316	RS-YFRAMILLPSETTEFFYLSSVINPILYTVSSQFRRVYVQLCR 362	A;Cross-references: EMBL:CAA52825.1; PID:9433912
Qy	349	QFRRRYVQVLCRLS 364	A;Cross-references: EMBL:CAA52825.1; PID:9433912
Db	512	RDFRKPFQELYFRCs 527	A;Cross-references: EMBL:CAA52825.1; PID:9433912
RESULT	9		
S390508			C:Species: Rattus norvegicus (Norway rat)
C:Species: Rattus norvegicus (Norway rat)			

Db	279	PFCCPLAIALFYLTMICARKSGM-----QIALNDHLKORREKAVKTVCL--v	157440
Qy	290	VTLAVCWMPPNQIRRM-AAAKPKHDWTRSYFRAYMILLP--SEFFYISSLVNLTVS	347
Db	329	LVFALCWPLHLRSILKLTLYDQHDPRCRCLFLSFLVLDIGTINMASLNSCINPIALYLV	388
Qy	348	SQOFKRVVQVVLCC 361	
Db	389	SKRFKNCFKSLCC 402	
RESULT	7		
Oy	438271	serotonin receptor 7 - fruit fly ( <i>Drosophila melanogaster</i> )	
N;Alternate names:	5-hydroxytryptamine receptor 7 (5-HTR7)		
C;Species:	<i>Drosophila melanogaster</i>		
C;Date:	22-Jan-1993 #sequence_revision 22-Jan-1993 #text_change 04-Sep-1998		
C;Passion:	A38271		
R;P;	Amaiky, N.; Plasat, J.L.; Maroteaux, L.; Borrelli, E.; Hen, R.		
R;PRO:	Natl. Acad. Sci. U.S.A. 87, 8940-8944, 1990		
A;Title:	Cloning and characterization of a <i>Drosophila</i> serotonin receptor that activates		
A;Reference number:	A38271; MUID:91062395		
A;Accession:	A38271		
A;Molecule type:	mRNA		
R;Residues:	1-154 <WIT>		
A;Cross-references:	GB:MB5533		
A;Note:	the authors translated the codon CTT for residue 213 as Ala, GTG for residue 215		
C;Genetics:			
A;Gene:	FlyBase:5-HTR7		
A;Cross-references:	FlyBase:FBgn0004573		
C;Keywords:	octopamine receptor type I; glycoprotein; membrane protein; phosphoprotein		
Query Match	11.1%	Score 259.5; DB 2; Length 564;	
Best Local Similarity	21.1%	Pred. No. 9e-15; Pred. No. 9e-15;	
Matches	92;	Conservative 76; Mismatches 145; Indels 123; Gaps 14;	
Oy	6	LPGSPDCSQIIOHSHVPEFEVATWIKITLILYLVLFVGMGLIGNSATIRVQVQLRGYQ	65
Db	138	VPLSDPTPLIIFEEFAAGEFVVLRLPTSFIVSTIVLILVITGVNVLYCIAVCMVRK--LR	194
Qy	66	KEVTDHVSLSACSDILFLVQMPME FISI--WN--PLTTSYIISCKHTEFEACSY	120
Db	195	RPCNVLLVLSLSDLICVALLFMPMALLYEVEIWKWNGFPL-----CDIWWSEFLVLCCT	247
Qy	121	ATLHVHTLSFERYIATCHPFRYKAVSGPCOVLKLIGFWNTSVALVALPFLFAMGTEYPL	180
Db	305	-----HEDBEGOPCTVQDAA--YQY--ATLGFSFYIPLSVMFLFVY	343
Qy	248	ASILNLCASIVDRLATKPLEGVKTRPFRMMLCVGIVWLAACISLPPLLIGNE--	304
Db	181	VNVPSHRLGTCNRSSRHRHEOPETSNSMSICTNLSRSWTVQOSSIGAFAVVYLVWLSVAR	240
Qy	344	QIFRAARRVIVLEEKRAQTHLQOALNGTGSPSAPQAPP-LGTELASSGNQRHSSVGNTS	402
Db	463	FTVCMWLP---IFILALIRP-----FEMHVPASLSSLEFLWLGYANSILNPVATIN	511
Qy	349	QOFRRYFVQVLCRLS 364	
Db	512	RDFRKPPQFELYFRCS 527	
RESULT	9		
S30508		probable G protein-coupled receptor - rat	
C;Species:	<i>Rattus norvegicus</i> (Norway rat)		
C;Date:	13-Jan-1995 #sequence_revision 13-Jan-1995 #text_change 11-Jan-2000		
C;Accession:	S30508		

R; Meyerhof, W.; Wulfsen, I.; Schoenrock, C.; Fehr, S.; Richter, D.  
 Proc. Natl. Acad. Sci. U.S.A. 89, 10267-10271, 1992  
 A; Title: Molecular cloning of a somatostatin-28 receptor and comparison of its expression  
 A; Reference number: S30508; MUID:93066220  
 A; Status: preliminary  
 A; Molecule type: mRNA  
 A; Residues: 1-428 <MEY>  
 A; Cross-references: EMBL:X63574; NID:956315; PIDN:CAA45130.1; PID:956316  
 C; Superfamily: vertebrate rhodopsin  
 C; Keywords: G protein-coupled receptor; transmembrane protein

Query Match 10.7%; Score 250; DB 2; Length 349;  
 Best Local Similarity 23.6%; Pred. No. 3.5e-14; Gaps 16;  
 Matches 91; Conservative 64; Mismatches 147; Indels 84; Gaps 16;

Qy 31 ILLILWYLIFMGLGNSATIRVQVQLOKKYLOREVT-HMVSACSDILVFLGMP 89  
 Qy 158 APVARTVSRAVWVSAVWVLPVVVFSG- 99  
 Db 200 ---AAAWRT-----AFIYMAALGSGFFGFLVILVCLYLLVVKVSTTRV---RA 243  
 Db 264 POLRKSESEESRTARQQTIFLRLIVVTLA--VCWMPNQIRRIMAAKPKHDWTRSYFR 320  
 Db 244 PSCQWQAPACQRRSERVTRVWVAVVAFYVCLWMPYLLNVVCPPLP-EPAFG 302  
 Db 303 LYFLVVALP---VANSCANPILGFSLRFKQFRRIL 337

RESULT 11  
 159336 galanin receptor 1 - human  
 C;Species: Homo sapiens (man)  
 C;Accession: 31-May-1996 #sequence\_revision 31-May-1996 #text\_change 21-Jul-2000  
 R; Habert-Orlitz, E.; Amiranoff, B.; Louvet, I.; Laburthe, M.; Mayaux, J.  
 Proc. Natl. Acad. Sci. U.S.A. 91, 9780-9783, 1994  
 A;Title: Molecular cloning of a functional human galanin receptor.  
 A;Reference number: 159336; MUID:95024044  
 A;Accession: 159336  
 A;Status: preliminary; translated from GB/EMBL/DDBJ  
 A; Molecule type: mRNA  
 A; Residues: 1-349 <HR>  
 A; Cross-references: GB:L134339; NID:9559047; PIDN:AAA50767.1; PID:9559048  
 R; Lorimer, D.D.; Matkowski, K.; Benya, R.V.  
 Biochem. Biophys. Res. Commun. 241, 558-564, 1997  
 A;Title: Cloning, chromosomal location, and transcriptional regulation of the human galanin receptor gene.  
 A;Reference number: JC5801; MUID:98086390  
 A;Accession: JC5801  
 A;Status: nucleic acid sequence not shown  
 A; Molecule type: mRNA  
 A; Residues: 1-349 <LR>  
 A; Cross-references: GB:U53511; NID:91297337; PIDN:AACT1936.1; PID:91297338  
 A; Note: submitted to the EMBL Data Library, April 1996  
 R; Ross, P.C.  
 A; Reference number: G08350  
 A; Accession: G01765  
 A; Status: submitted to the EMBL Data Library, March 1995  
 A; Molecule type: mRNA  
 A; Residues: 1-14, 'W', 16-349 <ROS>  
 A; Cross-references: EMBL:U2384; NID:9775209; PID:9775210  
 C; Comment: This receptor inhibits cAMP formation, stimulates and inhibits phospholipase C, and increases arachidonic acid metabolism, as well as opens ATP-dependent K<sup>+</sup> but not cl  
 C; Genetics:  
 A; Gene: GDB:GALNR  
 A; Cross-references: GDB:392699; OMIM:600377  
 A; Map position: 18q21-18q23  
 C; Superfamily: vertebrate rhodopsin  
 C; Keywords: G protein-coupled receptor; transmembrane protein

Query Match 10.7%; Score 250; DB 2; Length 349;  
 Best Local Similarity 23.6%; Pred. No. 3.5e-14; Gaps 16;  
 Matches 91; Conservative 64; Mismatches 147; Indels 84; Gaps 16;

Qy 21 PEFEVATWIKITLILWYLIFMGLGNSATIRVQVQLOKKYLOREVT-HMVSACSDILVFLGMP 89  
 Qy 25 PLFGIGIVENFVFLV-VFLGLFALGVGLGNLSLIVL-ARSKPGKPRSTTNFLMILSIADL 82  
 Qy 81 LVFLIGMPMERYISIWNPLTSSYTLUSCKLHTFEACSYATLHVLTISFERVIAICHP 140  
 Db 83 AYLFICP--FOATVIALPFWLGAFTCKTIIHYFTVMSVLSIHTLAAMSVDVVAIVHS 140  
 Qy 141 FRYKAVSGPCQVLLIGFVWVTSALVALPLFAMGTEYPLVNVPSHRLGTCNRSSTRHHEOPETSMS 208

Query Match 10.7%; Score 250; DB 2; Length 428;  
 Best Local Similarity 26.5%; Pred. No. 2.7e-14; Gaps 16;  
 Matches 90; Conservative 69; Mismatches 123; Indels 57; Gaps 16;

Qy 31 ILLILWYLIFMGLGNSATIRVQVQLOKKYLOREVT-HMVSACSDILVFLGMP 89  
 Qy 46 ILISILVYLWVCGWGLGNSLIVV-WIRHTS--SPSVTIVLNLALDEL-FMLGLP- 99  
 Qy 90 EFYIISIWNPLTSSY-TLSCKLHTFEACSYATLHVLTISFERVIAICHPFRYAVSG 148

Db 141 RRSSSLVRVSRNALIIGVGCITWALSIAMASPVAY-----HQLF----- 177  
 F;146-168/Domain: transmembrane #status predicted <TM3>  
 F;194-215/Domain: transmembrane #status predicted <TM4>  
 F;267-288/Domain: transmembrane #status predicted <TM5>  
 F;297-319/Domain: transmembrane #status predicted <TM6>  
 Db 178 HPRASNQTCW--EQWPDPKRHKAYWVTFVQ---YLLPLICFCYAKVLTNHKK 320  
 Qy 253 OKGSLAGGTRPPQLRKSESEESRTARRQTLIFLRLIWLAVCWMPPQIRRMAAKPKH 312  
 C;Species: Homo sapiens (man)  
 C;Date: 30-Sep-1993 #sequence\_revision 20-Aug-1994 #text\_change 20-Jun-2000  
 C;Accession: S40682; JN0755; S50151; SS052; I30362; JN0708  
 R;Marte, V.; Karlsen, H.B.; Wright, M.S.; Lundell, T.; Feldheim, A.K.; Gabrielsen, O.S.  
 Biochem. Biophys. Res. Commun. 195, 179-185, 1993  
 A;Title: Molecular cloning of a functional human thyrotropin-releasing receptor.  
 A;Reference number: S40682; MUID:03371401  
 A;Accession: JN0759  
 A;Status: preliminary  
 A;Molecule type: mRNA  
 A;Residues: 1-398 <HAT>  
 A;Cross-references: EMBL:X75071; NID:9404157; PID:9404158  
 R;Yamada, M.; Monden, T.; Satoh, N.; Murakami, M.; Iriuchijima, T.; Kagegawa,  
 Biochem. Biophys. Res. Commun. 195, 737-745, 1993  
 A;Title: Pituitary adenomas of patients with acromegaly express thyrotropin-releasing hormone gene.  
 A;Reference number: JN0759; MUID:93384596  
 A;Accession: JN0759  
 A;Molecule type: mRNA  
 A;Residues: 1-398 <HAT>  
 A;Cross-references: GB:DJ6845; NID:9577631; PIDN:BAA04120; PID:9577632  
 R;Hinuma, S.; Hosoya, M.; Ogi, K.; Tanaka, H.; Nagai, Y.; Onda, H.  
 Biochem. Biophys. Acta 1219, 251-259, 1994  
 A;Title: Molecular cloning and functional expression of a human thyrotropin-releasing hormone gene.  
 A;Reference number: S50151; MUID:05002135  
 A;Accession: S50151  
 A;Status: preliminary  
 A;Molecule type: DNA  
 A;Residues: 1-263 <HIN>  
 A;Accession: S50152  
 A;Status: preliminary  
 A;Molecule type: DNA  
 A;Residues: 267-398 <H12>  
 R;Dutlie, S.M.; Taylor, P.L.; Anderson, L.; Cook, J.; Eidne, K.A.  
 Mol. Cell. Endocrinol. 95, R11-R15, 1993  
 A;Title: Cloning and functional characterisation of the human TRH receptor.  
 A;Reference number: I38356; MUID:0406324  
 A;Accession: I38356  
 A;Status: translated from GB/EMBL/IDB/J  
 A;Molecule type: mRNA  
 A;Cross-references: GDB:228955; OMIM:1088545  
 A;Map position: 8q23-8q23  
 C;Superfamily: adenosine receptor A1  
 C;Keywords: G protein-coupled receptor; receptor; transmembrane protein  
 F;29-51/Domain: transmembrane #status predicted <TM1>  
 F;62-83/Domain: transmembrane #status predicted <TM2>

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 Db 268 LWAE--FGVFP-LTPASFLFRITAHCLAYNSSSVNPITAYFLENFENFRKAYKOVFKCHI-- 322  
 Qy 366 QHANHEKURVURHAISTDSARFYQRP 391  
 Db 323 -----RKOSHLSDTKENKSRIDP 341  
 REJECT 12  
 JN0708  
 thyrotropin-releasing hormone receptor - human  
 C;Species: Homo sapiens (man)  
 C;Date: 30-Sep-1993 #sequence\_revision 20-Aug-1994 #text\_change 20-Jun-2000  
 C;Accession: S40682; JN0755; S50151; SS052; I30362; JN0708  
 R;Marte, V.; Karlsen, H.B.; Wright, M.S.; Lundell, T.; Feldheim, A.K.; Gabrielsen, O.S.  
 Biochem. Biophys. Res. Commun. 195, 179-185, 1993  
 A;Title: Molecular cloning of a functional human thyrotropin-releasing receptor.  
 A;Reference number: S40682; MUID:03371401  
 A;Accession: JN0759  
 A;Molecule type: mRNA  
 A;Residues: 1-398 <HAT>  
 A;Cross-references: EMBL:X75071; NID:9404157; PID:9404158  
 R;Yamada, M.; Monden, T.; Satoh, N.; Murakami, M.; Iriuchijima, T.; Kagegawa,  
 Biochem. Biophys. Res. Commun. 195, 737-745, 1993  
 A;Title: Pituitary adenomas of patients with acromegaly express thyrotropin-releasing hormone gene.  
 A;Reference number: JN0759; MUID:93384596  
 A;Accession: JN0759  
 A;Molecule type: mRNA  
 A;Residues: 1-398 <HAT>  
 A;Cross-references: GB:DJ6845; NID:9577631; PIDN:BAA04120; PID:9577632  
 R;Hinuma, S.; Hosoya, M.; Ogi, K.; Tanaka, H.; Nagai, Y.; Onda, H.  
 Biochem. Biophys. Acta 1219, 251-259, 1994  
 A;Title: Molecular cloning and functional expression of a human thyrotropin-releasing hormone gene.  
 A;Reference number: S50151; MUID:05002135  
 A;Accession: S50151  
 A;Status: preliminary  
 A;Molecule type: DNA  
 A;Residues: 1-263 <HIN>  
 A;Accession: S50152  
 A;Status: preliminary  
 A;Molecule type: DNA  
 A;Residues: 267-398 <H12>  
 R;Dutlie, S.M.; Taylor, P.L.; Anderson, L.; Cook, J.; Eidne, K.A.  
 Mol. Cell. Endocrinol. 95, R11-R15, 1993  
 A;Title: Cloning and functional characterisation of the human TRH receptor.  
 A;Reference number: I38356; MUID:0406324  
 A;Accession: I38356  
 A;Status: translated from GB/EMBL/IDB/J  
 A;Molecule type: mRNA  
 A;Cross-references: GDB:228955; OMIM:1088545  
 A;Map position: 8q23-8q23  
 C;Superfamily: adenosine receptor A1  
 C;Keywords: G protein-coupled receptor; receptor; transmembrane protein  
 F;29-51/Domain: transmembrane #status predicted <TM1>  
 F;62-83/Domain: transmembrane #status predicted <TM2>

Query Match 10.7%; Score 249.5; DB 2; Length 398;  
 Best Local Similarity 22.0%; Pred. No. 4 9e-14; Gaps 12;  
 Matches 92; Conservative 84; Mismatches 152; Indels 69; Gaps 19;  
 Query Match 10.7%; Score 249.5; DB 2; Length 427;  
 Best Local Similarity 23.2%; Pred. No. 4 9e-14; Gaps 19;  
 Matches 92; Conservative 84; Mismatches 152; Indels 69; Gaps 19;  
 Qy 17 HSPVP-EFVAVWIKITILWVLLIFVWMLGNNSATIRVQVQKGYLOKEVTDHMSL 75  
 C;Species: Bos primigenius taurus (cattle)  
 C;Date: 19-Mar-1997 #sequence\_revision 19-Mar-1997 #text\_change 16-Jul-1999  
 C;Accession: S13424  
 R;Irai, H.; Hori, S.; Aramori, I.; Ohkubo, H.; Nakaniishi, S.  
 Nature 348, 730-732, 1990  
 A;Title: Cloning and expression of a cDNA encoding an endothelin receptor.  
 A;Reference number: S13424; MUID:91080923  
 A;Accession: S13424  
 A;Status: preliminary  
 A;Molecule type: mRNA  
 A;Residues: 1-427 <ARA>  
 A;Cross-references: GB:X57765; NID:9121; PIDN:CAA40917; PID:9122  
 C;Superfamily: endothelin receptor B

Query Match 10.7%; Score 249.5; DB 2; Length 427;  
 Best Local Similarity 23.2%; Pred. No. 4 9e-14; Gaps 19;  
 Matches 92; Conservative 84; Mismatches 152; Indels 69; Gaps 19;  
 Qy 17 HSPVP-EFVAVWIKITILWVLLIFVWMLGNNSATIRVQVQKGYLOKEVTDHMSL 75  
 Db 66 HNYCPOQKNTSAFKVNTVLSITFVGMGNATLRL-IYQNK-CMRNGPNALIASL 122  
 Qy 76 ACDSLVLIGMMEFISI--WNLPTTSY-TLSQKHLFPECSYATLHLTSL 131  
 Db 123 ALGDLIVWVIDLPIVFLLAGFW-PPEQNDPFGVFLKFLFLOKSSVGVITVNLICSLV 181  
 Qy 132 ERYTAICHPFRYAVGPGCQVQKLLIGFWVWTSALVALPLLFAMGTEPLVWVW-----S 185  
 Db 162 DRYRAVSWSRVQIGIGIPLVTRALEIIVSIWLSFIAIP--PAIG---FVWPEYKGQ 235



